

Mumbai University

May - 2018

B.Sc.IT: SEMESTER – V

(QUESTION PAPER)

[IDOL – Old Course]

ELECTIVE – I

MULTIMEDIA

Time: 3 Hours**Total Marks:** 100**N.B.:** (1) Question No. 1 is Compulsory.

(2) Attempt any four from Question Nos. 2 to 7.

(3) Make Suitable Assumptions Wherever Necessary And State The Assumptions Made.

(4) Answer To The Same Question Must Be Written Together.

(5) Number To The Right Indicates Marks.

(6) Draw Neat Labeled Diagrams Wherever Necessary.

Q.1 ATTEMPT THE FOLLOWING QUESTIONS: (20 MARKS)

- (A) Write a short note on MPEG Compression. (5)
- (B) Write a short note on MIDI. (5)
- (C) Write a short note on Storyboarding. (5)
- (D) Explain the term: Anti-aliasing, 3D animation (5)

Q.2 ATTEMPT THE FOLLOWING QUESTIONS: (20 MARKS)

- (A) What is a Multimedia Systems? State the different types of components in Multimedia Systems. (8)
- (B) Explain the difference between Lossy and Lossless Compression. (6)
- (C) Explain any two types of File Formats in Multimedia. (6)

Q.3 ATTEMPT THE FOLLOWING QUESTIONS: (20 MARKS)

- (A) What is a Run-Length Encoding? Explain with a suitable example. (8)
- (B) What are the Multimedia Authoring Tools? Explain them. (6)
- (C) Write a short notes on Sampling and Quantization. (6)

Q.4 ATTEMPT THE FOLLOWING QUESTIONS: (20 MARKS)

- (A) Discuss the detail of Content Analysis for different Applications. (8)
- (B) Describe RGB Color Model. Why it is called as Additive Color Model. (6)
- (C) Describe CMYK Color Model. Why it is called as Subtractive Color Model. (6)

Q.5 ATTEMPT THE FOLLOWING QUESTIONS: (20 MARKS)

- (A) Explain the Huffman Coding Algorithm with suitable example. (8)
- (B) Explain any two tools for creation of Multimedia Presentation. (6)
- (C) Write a short note on Interpolation. (6)

Q.6 ATTEMPT THE FOLLOWING QUESTIONS: (20 MARKS)

- (A) Explain the issues concerning problems of transfer of Data on Networks. (8)
- (B) Write a short of Computer Based Training (CBT). (6)
- (C) List and explain different types of Audio File Formats. (6)

Q.7 ATTEMPT THE FOLLOWING QUESTIONS: (20 MARKS)

- (A) Explain the process of JPEG Compression. (8)
- (B) Briefly discuss the Graphic File Format used in Web Application. (6)
- (C) What are different types of tools used in Animation? Explain each of them. (6)